



CITY OF DURHAM | NORTH CAROLINA

Date: October 2, 2012

To: Thomas J. Bonfield, City Manager

Through: Keith Chadwell, Deputy City Manager

From: Donald F. Greeley, Director, Water Management
Jerry F. Morrone, Utility Engineering Supervisor

Subject: SR-57 2012 Sanitary Sewer Evaluation Study (SSES) – Recommendation of Award to Bio-Nomic Services, Inc.

Executive Summary:

The Department of Water Management (DWM) received proposals on Wednesday, August 15th for service Contract SR-57, 2012 Sanitary Sewer Evaluation Study (SSES). The proposed services consist of cleaning and inspecting over 800,000 feet of gravity sewer mains, smoke testing 1.5 million feet of gravity sewer mains, and inspecting roughly 7,400 sewer manholes. The proposed service area consists of six sub-basins shown in Figure 1, and this project is the next phase of the DWM's program of evaluating older sub-basins in the center of the City and expanding outwards. A total of 6 proposals were received, with Bio-Nomic Services, Inc. being deemed the lowest responsive and responsible bidder.

Recommendations:

The Department recommends the City Council:

1. Authorize the City Manager to execute a contract with Bio-Nomic Services, Inc. for contract SR-57 2012 Sanitary Sewer Evaluation Study for \$1,879,608.00.
2. Establish a contingency fund for the contract in the amount of \$185,392.00 and
3. Authorize the City Manager to negotiate change orders for the contract provided that the cost of all change orders does not exceed \$185,392.00 and the total project cost does not exceed \$2,065,000.00.

Background:

Sanitary sewer cleaning, closed circuit television (CCTV) inspection, smoke testing and manhole inspections are a vital tool in assessing the City of Durham's sanitary collection system. Past studies, such as Contract SR-47 SSES (2007) and Contract SR-50 SSES (2010), identified numerous gravity sewer lines in need of repair. The repairs conducted as a result of these projects have resulted in a reduction in inflow into the gravity sewer system and fewer structural pipe failures. Contract SR-57 SSES is the next phase of the strategic assessment and documentation of the sanitary collection system.

The proposed service area consists of six sub-basins shown in Figure 1, and this project is the next phase of the DWM's program of evaluating older sub-basins in the center of the City and expanding outwards.

Issues and Analysis:

The Department of Water Management formally solicited proposals for the services to be provided on July 6th, 2012. Six proposals were received and opened on Wednesday, August 15th, 2012. The proposal prices submitted are:

Wateree Construction	\$ 1,860,335.00
Bio-Nomic Services, Inc.	\$ 1,879,608.00*
Southeast Pipe Survey, Inc.	\$ 2,017,988.00
Hydrostructures, PA	\$ 2,074,340.00
Lake County Sewer Company, Inc.	\$ 2,324,418.00
Compliance Enviro Systems, LLC	\$ 3,071,820.00

*Recommended Contractor

The lowest price received was submitted by Wateree Construction; however Wateree Construction did not demonstrate sufficient experience, qualifications and staffing required to complete the project. DWM then reviewed the next lowest priced proposal submitted by Bio-Nomic Services, Inc.

The proposal submitted by Bio-Nomic Services, Inc shows strong experience performing work of this magnitude and adequate equipment and personnel to meet the timeline required by the Contract documents. The Department of Water Management therefore recommends award to Bio-Nomic Services, Inc.

Alternatives:

Alternative 1: Do not enter in to a contract with Bio-Nomic Services, Inc. and attempt to clean and inspect all sanitary sewer lines and manholes designated for this study. The City's crews are already committed to cleaning and inspecting sewer lines within a separate sub-basin of the sanitary sewer system and cannot perform inspections on larger pipe. Using City staff would take significantly longer than the time provided in the Contract documents. Additionally the City of Durham does not have the necessary equipment to conduct smoke testing analysis on the sanitary sewer system.

Financial Impacts:

Funds for this contract are budgeted in the Sewer Collection System Rehabilitation in the City's Capital Improvement Program. There are currently funds available for this contract:

4100P901-731002-P280K, \$352,965.16
4100P767-731900-P280K, \$185,392.00 (contingency)
4100P767-731002-P280K, \$1,526,642.84

SDBE Summary:

The Equal Opportunity/Equity Assurance Department reviewed the bid submitted by Bio-Nomic Services, Inc of Charlotte, North Carolina to determine compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting. It was determined that Bio-Nomic Services, Inc was in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

SDBE REQUIREMENTS

There were no SDBE requirements for this project.

WORKFORCE STATISTICS

The workforce statistics for Bio-Nomic Services, Inc. are as follows:

Total Workforce	40	
Total Females	1	2.5%
Total Males	39	87.5%
Black Males	2	5%
White Males	31	77.5%
Other Males	6	15%
Black Females	0	0%
White Females	1	2.5%
Other Females	0	0%